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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/742,751 12/20/2000		Tatsuya Anma	SIMTEK5685 6449	
7	590 03/07/2002			
Ernest A. Beutler			EXAMINER	

Suite 945 500 Newport Center Drive Newport Beach, CA 92660

GONZALEZ, JULIO C ART UNIT PAPER NUMBER 2834

DATE MAILED: 02/07/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

		M			
*	Application No.	Applicant(s)			
	09/742,751	ANMA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Julio C. Gonzalez	2834			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of them may be available under the provisions of 37 CPR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than think; (30) days, analy, which the statutory minimum of think; (30) days will be considered timely. - If the period for reply specified above is less than think; (30) days, analy, which the statutory minimum of think; (30) days, will be considered timely. - Failure to make yet the statutory minimum of th					
1) Responsive to communication(s) filed on 25.	June 2002 .				
2a)⊠ This action is FINAL. 2b)□ Th	nis action is non-final.				
3) Since this application is in condition for allows					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims					
4) Claim(s) 1.3 and 4 is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1,3 and 4</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	or election requirement.				
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10)⊠ The drawing(s) filed on <u>12/20/00</u> is/are: a)□ ad	cepted or b) 🛛 objected to by the E	xaminer.			
Applicant may not request that any objection to the					
11) The proposed drawing correction filed on 25 Ju	<i>ine 2002</i> is: a)[☐ approved b)⊠ d	disapproved by the Examiner.			
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) All b) Some * c) None of:					
 Certified copies of the priority documents have been received. 					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).					
a) The translation of the foreign language provisional application has been received.					
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) D Intentieur Summar	y (PTO-413) Paper No(s)			
Notice of Neterences Cited (P10-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) §	5) Notice of Informal	y (P10-413) Paper No(s) Patent Application (PTO-152)			

DETAILED ACTION

Drawings

- The proposed drawing correction filed on 06/25/02 has been disapproved because it is not in the form of a pen-and-ink sketch showing changes in red ink or with the changes otherwise highlighted. See MPEP § 608.02(v).
- 2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: protective coating 25. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abevance.
- 3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the 120° to 140° electrical angle of the magnets set to the rotational axis and the non-magnetized areas between the magnets as disclosed in claim 1 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, what is meant by the magnets having "alternating pluralities"? What are the pluralities, the poles? The spaces? From the claims, it may seem like if the space is having a 120 to 140 degree separation or are the magnets having the degree of separation?

What is considered "relatively" rotating? Almost moving?

In order to advance prosecution in the merits, the Prior Art will be applied as best understood by the examiner.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable under Miyao et al (Patent # 4,739,203) in view of Kinoshita.

Miyao et al discloses permanent magnets 1, 2, armature winding 27 (see figures 4, 8, 17) and that the magnetic poles of the magnets have an electrical angle of 120 degrees (column 2, lines 1-4).

However, Miyao does not disclose having non-magnetized areas between the magnets.

On the other hand, Kinoshita discloses for the purpose of improving the performance or motor and generators, a non-magnetized area 16 between the magnets (see figure 2B).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to design a rotating machine as disclosed by Miyao and to modify the invention by placing non-magnetized areas between the magnets for the purpose of improving the performance or motor and generators as disclosed by Kinoshita.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over
 Miyao and Kinoshita as applied to claim 1 above, and further in view of Tajima et al (US Patent 6,396,183).

The combined rotating machine discloses all of the elements above.

However, combined rotating machine does not disclose having the coils fixed against rotation.

On the other hand, Tajima et al discloses for the purpose of providing an electric machine with small cogging torque, a stator 22 with fixed windings and rotating magnets (see figure 2).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to design the combined rotating machine as disclosed above and to modify the invention by making the magnets rotate for the purpose of providing an electric machine with small cogging torque as disclosed by Tajima et al.

9. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miyao and Kinoshita as applied to claim 1 above, and further in view of Tajima et al (US Patent 4,672,253).

The combined rotating machine discloses all of the elements above.

However, combined rotating machine does not disclose the electrical machine to
be a generator.

On the other hand, Tajima et al discloses for the purpose of reducing cogging torque, an electrical machine that can function as a motor or a generator (see abstract).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to design the combined rotating machine as disclosed above and to modify the invention by making the electrical machine function as a generator for the purpose of reducing cogging torque as disclosed by Tajima et al.

Response to Arguments

- 1. Applicant's arguments with respect to claims 1, 3 and 4 have been considered but are moot in view of the new ground(s) of rejection.
- 2. Applicant's arguments filed 06/25/02 have been fully considered but they are not persuasive.

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Claim 1 does not seem to specify clearly the scope of the invention. It would seem to one having ordinary skill in the art that the magnet electrical angle (120-140 degrees) is been defined, but also the gap (non-magnetized area) may also be defined with the 120-140 degrees or the spacing of the coils. Respectfully, the prior art was applied base on the best understanding of what the claim may be disclosing. Moreover, the sketch provided on the response sent on 06/25/02 seems to only show a 30 degree rotational angle.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will

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be calculated from the mailing date of the advisory action. In no event, however,

will the statutory period for reply expire later than SIX MONTHS from the date of

this final action.

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Julio C. Gonzalez whose telephone number is

(703) 305-1563. The examiner can normally be reached on M-F (8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Nestor Ramirez can be reached on (703) 308-1371. The

fax phone numbers for the organization where this application or proceeding is

assigned are (703) 308-7722 for regular communications and (703) 305-1341 for

After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)

308-0956.

Jcg

September 11, 2002

ASSECTOR DAMAGES

SUPPRINCIPE PETENZ EXAMINE EXCENCE DE DENDEM 2800